



# NITFS Compliance Registration



**Product:** Joint Surveillance Target Attack Radar System Common Ground Station Data Group 3 03 June 2002  
Pre-Planned Product Improvement Common Software Baseline 1B **Expiration:** 03 June 2004  
**Sponsor:** Program Management Office, Joint Surveillance Target Attack Radar System **Registration #:** 1015

**Developer:** General Dynamics Decisions Systems, Inc., Harris Corporation, Science Application  
International Corporation, British Aerospace Electronics Systems, Inc.

- ☐ Initial Registration  
☒ Supplemental/Update 100%  
☐ Derived from Reg. #

☒ **System**  
N-0105/98, §4.1.1

☐ **Product**  
N-0105/98, §4.1.2

☐ **Component**  
N-0105/98, §4.1.3

\*\* NITF 2.0 feature  
\* NITF 2.1 feature

Complexity Level							
NITF 2.1 CLEVEL							
	3	5	6	7			
Interpret							
Generate							
NITF 2.0 CLEVEL							
	1	2	3	4	5	6	Oth
Interpret							
Generate							

## Configurations Tested:

- Sun Enterprise 4000 Server/Solaris 2.7
- Joint STARS NITF Components:
  - Exploitation Engine Client for Secondary Imagery Dissemination
  - Graphical Component Secondary Imagery Dissemination
  - TDP Image Processing and Exploitation Library
    - CIB to NITF Component
    - Image Post Processing Manager
  - VITec ELT 5.9.2

## NITFS Features Implemented:

### Format

- NITF**  
☒ v2.1  
☒ v2.0  
☒ v1.1  
**NSIF**  
☐ v1.0

### Pixel Value Types

- ☒ Boolean  
☒ Integer  
☐ Signed Integer \*  
☐ IEEE Real \*  
☐ IEEE Complex \*

### Annotation Segment Type

- ☐ Bit Mapped \*\*  
☒ CGM, 2301  
☐ CGM, 2301A  
☒ Labels \*\*

### Text Segments

- ☐ STA  
☐ UT1  
☐ U8S  
☐ MTF

### Image Segment Types

- ☒ MONO  
☒ RGB  
☒ RGB/LUT  
☒ YCbCr  
☐ MULTI  
☐ NODISPLAY  
☐ POLAR

### Image Compression

- ☒ Not Compressed  
☒ JPEG Lossy, 8-bit  
☐ JPEG Lossy, 12-bit  
☐ JPEG Downsample  
☐ JPEG Lossless  
☐ JPEG 2000  
☒ Bi-Level  
☐ Vector Quantization  
☐ Multispectral JPEG, Individual Band

### Data Extension Segments

- ☐ TRE\_OVERFLOW  
☐ STREAMING\_FILE\_HEADER  
☐ Controlled Extensions \*\*  
☐ Registered Extensions \*\*

### Tagged Record Extensions

- ☒ IOMAPA  
☐ RPF  
☐ BLOCKA

CHRISTOPHER K. LONG, Acting Division Chief  
Joint Interoperability Test Command  
Executive Agent to National Imagery & Mapping Agency  
for the NITFS Test and Evaluation Program

Registration does not guarantee that a product will meet all users' requirements.  
Potential users should evaluate the detailed test results to determine the suitability of  
a product for the intended use. Optional NITFS features may not be implemented.